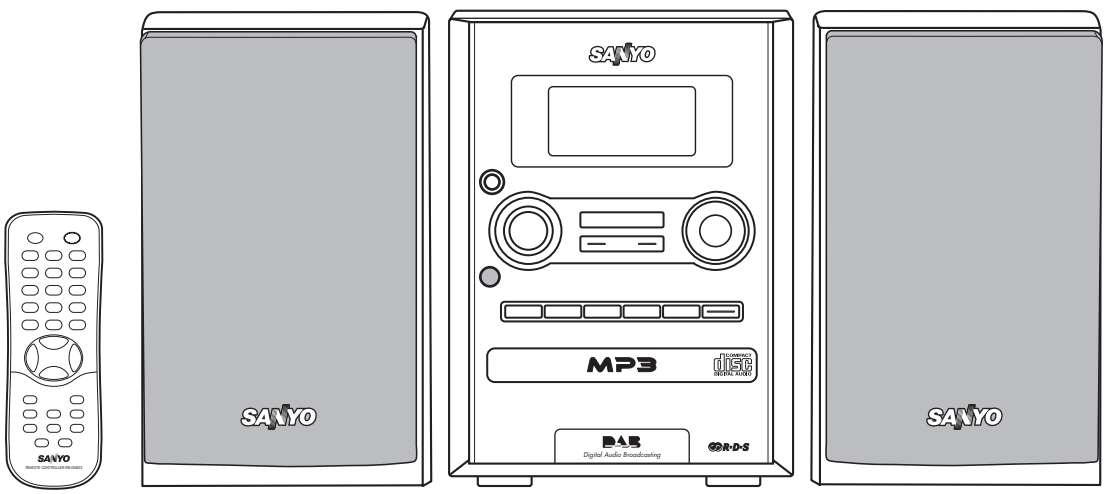
SANYO

INSTRUCTION MANUAL

DC-DAB03

Micro Component System



Problems with set-up?

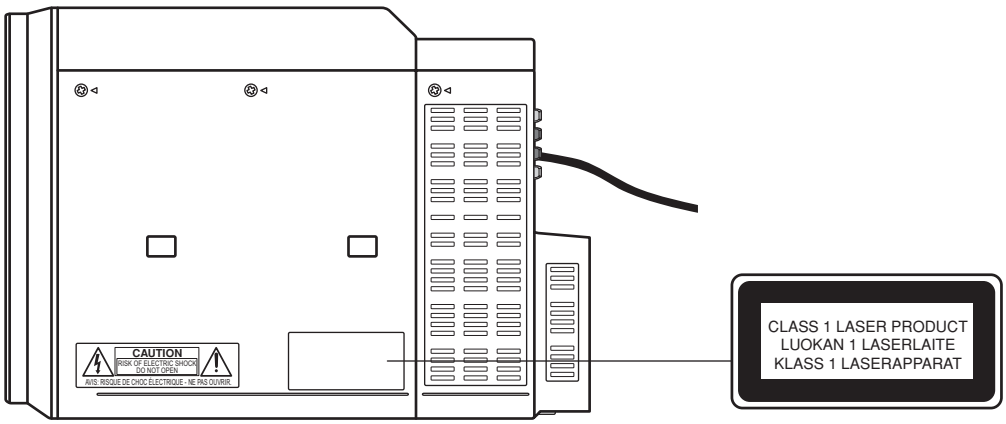
Call 0870 240 7475

Calls cost a maximum of 8p per minute during peak periods, based on BT rates of April 2004.

PRECAUTIONS

CAUTION

THIS PRODUCT CONTAINS A LOW POWER LASER DEVICE. TO ENSURE CONTINUED SAFETY DO NOT REMOVE ANY COVERS OR ATTEMPT TO GAIN ACCESS TO THE INSIDE OF THE PRODUCT. REFER ALL SERVICING TO QUALIFIED PERSONNEL.



- The apparatus shall not be exposed to dripping or splashing.
- Do not use where there are extremes of temperature (below 5°C or exceeding 35°C), or where direct sunlight may strike it.
- Because of the CD player's extremely low noise and wide dynamic range, there might be a tendency to set the volume on the amplifier unnecessarily high. Doing so may produce an excessively large output from the amplifier which could damage your speakers.
- When carrying the unit, be sure to remove a disc which may be inside and turn the power off. Wait at least 10 seconds, then unplug the mains lead from the AC outlet. Carrying the unit with a disc inside may damage the disc and/or the unit.
- Sudden changes in the ambient temperature may cause condensation to form on the optical lens inside the unit. If this happens, take out the disc, leave the unit for about 1 hour, and then proceed to operate.
- The system's speakers use powerful magnets. Do not place timepieces, credit cards, cassette tapes or video tapes, etc. near the speakers.
- Do not install this equipment in a confined space, such as a bookcase or built in cabinet.
- No object filled with liquids, such as vase, shall be placed on the apparatus.
- The rating label is located on the bottom of the main unit.

Your SANYO product is designed and manufactured with high quality materials and components which can be recycled and reused.

This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.

Please dispose of this equipment at your local community waste collection/recycling centre.

In the European Union there are separate collection systems for used electrical and electronics products.

Please help us to conserve the environment we live in!

IMPORTANT

If the plug supplied with this equipment is not suitable for the socket outlets in your home it should be cut off and replaced with the correct type.

Disposal of Plug

If the non rewireable plug is to be cut off, the removed plug should be disposed of carefully as there is a shock hazard should the plug be inserted into a live socket.

Replacing Fuse

The detachable fuse cover must be replaced after changing the fuse. Only a 3A fuse should be used and should comply with BS1362 and should carry the ASTA mark ⓐ .

The wires in the mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

The wires in the mains lead must be connected to the terminals in the plug as follows:

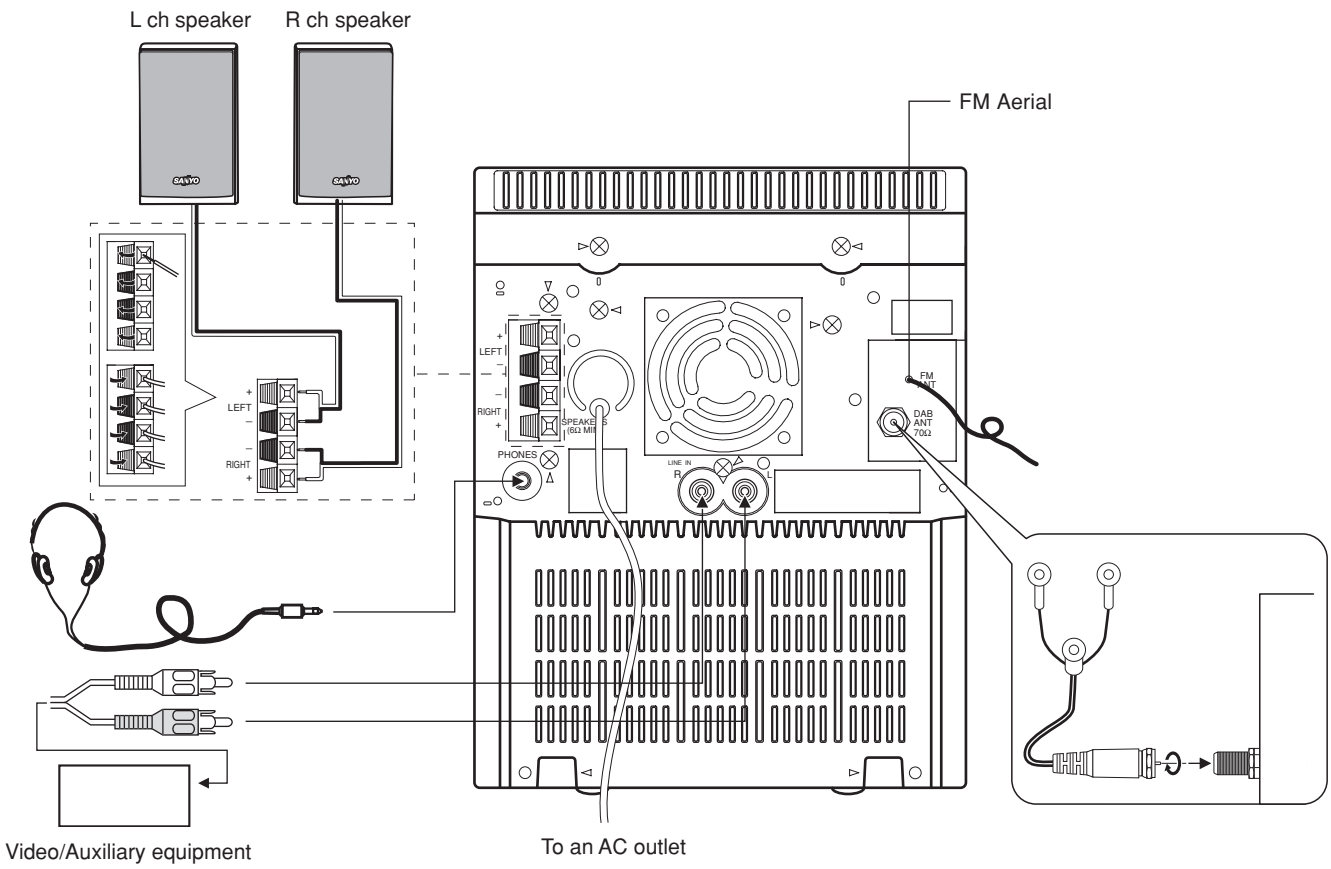
Wire colour	Plug terminal marking
Blue	N or Black or Blue
Brown	L or Red or Brown

Do not connect either wire to the earth terminal.

If the mains plug contains a fuse this should be 3A, if a plug without a fuse is used the distribution board fuse should not be greater than 5A.

The unit is not disconnected from the mains unless it is unplugged from the AC outlet.

CONNECTIONS



Note:
- Do not connect the mains lead to an AC outlet until all connections have been made.
- The system is not completely disconnected from the mains when the ⏻/ON button is set to the ⏻ position.

Speakers

Connect the connector of the left speaker to the “L” SPEAKERS socket and the connector of the right speaker lead to the “R” socket.
When connecting the speakers, make sure that + and – polarities are matched properly. Otherwise, the sound may appear to be lacking in the bass range and stability.
Connect the red speaker wire to the red terminal + and the black wire to the black terminal –.

Aerial

FM aerial
Extend the aerial wire as straight as possible and, while listening to the sound from the system, secure it in a position which yields minimal distortion and noise.

DAB aerial
Extend the aerial wire as straight as possible and while listening to the sound from the system, secure it in a position which yields minimal distortion and noise, you can fix the aerial on walls with tape or hang up the wire through the terminal holes on the wall where there are proper nails or hooks.

Note:
To minimize noise, the speaker, mains and any other leads should not come close to the FM aerial lead and DAB aerial lead. Do not place the aerial leads close to the system.

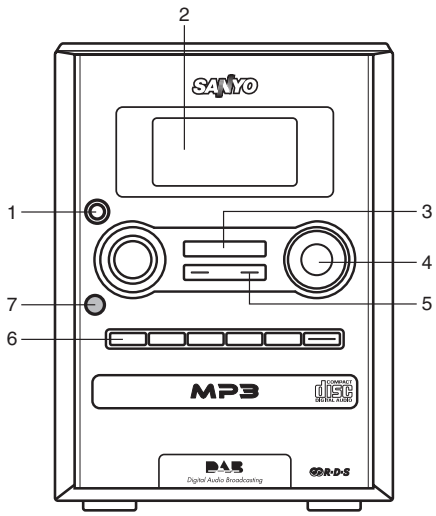
Video/Auxiliary equipment

Connect audio leads (not supplied) from the audio output sockets of a video/auxiliary equipment to the LINE IN sockets.

Headphones

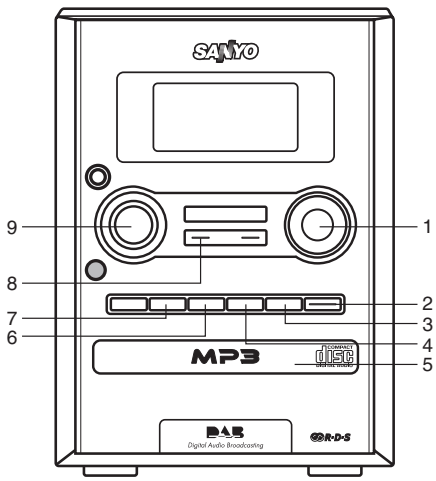
Connect stereo headphones (not supplied) to the PHONES socket (the rear of the unit) for monitoring or for private listening. The speakers are automatically disconnected when headphones are connected.

CONTROLS



General

1. Power button (⏻/ON)
2. Display
3. Function select button (FUNCTION)
4. Volume control button (VOLUME/PTY SELECT)
5. Memory button (MEMORY)
6. Economy mode/Clock/Timer button (ECO /CLOCK/TIMER)
7. Remote sensor (IR)

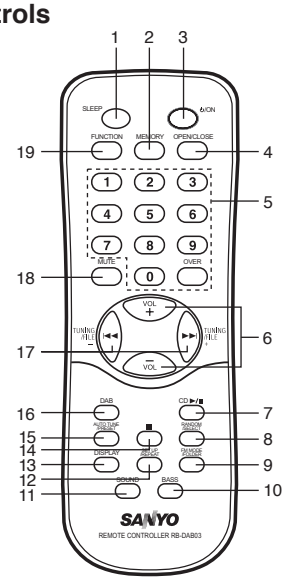


CD player/Tuner

1. PTY select button (VOLUME/PTY SELECT)
2. Disc tray open/close button (OPEN/CLOSE)
3. FM mode/Display button (FM MODE/DISPLAY)
4. DAB select/PTY check/Random button (SELECT/PTY CHECK/ RANDOM)
5. Disc tray
6. DAB set up/RDS mode button (SET UP/RDS MODE)
7. Auto tune/Tuner preset/Folder select button (AUTO TUNE/TUNER PRESET/FOLDER SELECT)
8. DAB function button (DAB)
9. Control panel
   ►/II: CD play/pause button
   I◄◄/–, +/►►I: Skip/search/tuning/file select button
   ■: Stop button

REMOTE CONTROL

Controls

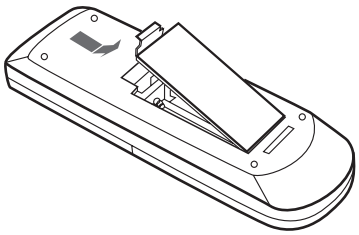


1. Sleep button (SLEEP)
2. Memory button (MEMORY)
3. Power button (⏻/ON)
4. Disc tray open/close button (OPEN/CLOSE)
5. Number buttons (1 - 9, 0, OVER)
6. Volume control buttons (VOL –, VOL +)
7. CD play/pause button (CD ►/II)
8. Random/select button (RANDOM/SELECT)
9. FM mode/Folder select button (FM MODE/ FOLDER)
10. Bass expander button (BASS)
11. Sound preset button (SOUND)
12. Set up/Repeat button (SET UP/REPEAT)
13. Display button (DISPLAY)
14. Stop button (■)
15. Auto tune/Preset button (AUTO TUNE/PRESET)
16. DAB function button (DAB)
17. Skip/Search/Tuning buttons (I◄◄/TUNING – , ►►I/TUNING +)
18. Mute button (MUTE)
19. Function button (FUNCTION)

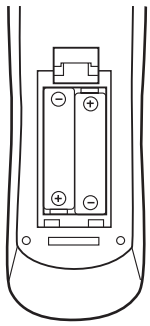
Number buttons (1 - 9, 0, OVER)
These buttons are used to select the track numbers on a disc or preset radio stations.
If the function is “CD”, the buttons select the track numbers on a disc.
If the function is “TUNER”, the buttons select preset radio stations.
Example:
To select No. 3, press 3.
To select No. 25, press over, 2 then 5.
If the function is “DAB”, the buttons select preset DAB stations.
Example:
To select No. 3, press 3.
To select No. 10, press 0.
With any other function, the buttons will not function.

Inserting batteries

1.



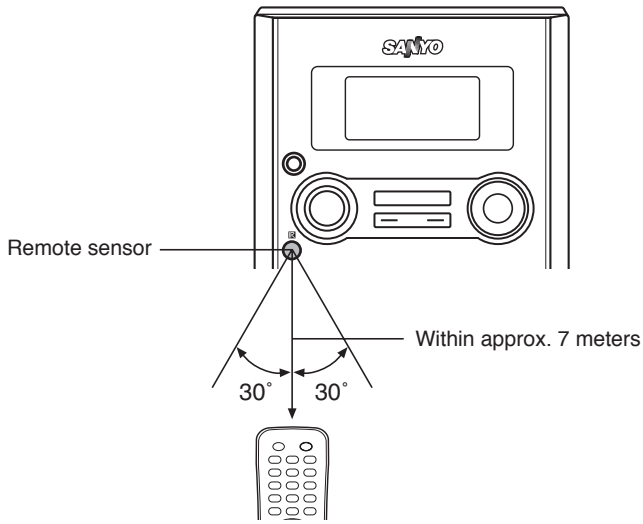
2.



Two R03/AAA batteries
(not supplied)

Notes:
Always remove batteries if the remote control is not to be used for a month or more. Batteries left in the unit may leak and cause damage.

Remote control range

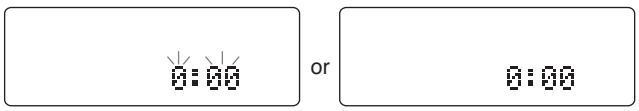


The buttons on the remote control perform similar functions to similarly marked buttons on the front panel.

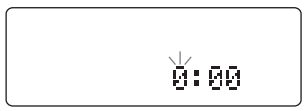
ADJUSTING THE CLOCK (Main unit only)

When the unit is first connected to the AC power line, “DAB/MP3” blinks. To cancel this mode, turn the power on or press the ECO/CLOCK/TIMER button.

Example: To set “6:30”,
First, press the ⏻/ON button to turn the power off. Only the clock display appears dimly. If the main unit is in economy mode, press the ECO/CLOCK/TIMER button till the clock display appears.

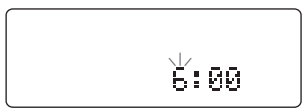


1. Press the MEMORY button for at least 3 seconds.



The hours display blinks.

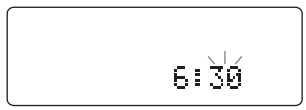
2. Turn the VOLUME control to set the “hours”.



3. Press the MEMORY button.

The minutes display blinks.

4. Turn the VOLUME control to set the “minutes”.



5. Press the MEMORY button. The clock starts.

- The time can be set accurately by pressing the MEMORY button when a time signal is heard.

- To display the clock during operation, press the ECO/CLOCK/TIMER button briefly. After a few seconds, the original display returns.
- If a power failure occurs or the mains lead is disconnected, and the clock display blinks. Reset the time again.

Changing the clock to the 12-hour display (Using the main unit)

1. Press the ⏻/ON button to turn the power off, press the ECO/CLOCK/TIMER button till present time displays.
2. While clock is displaying, press the ■ button and hold it, then press the FM MODE/DISPLAY button.
   Example: 13:00 ⟶ PM 1:00

To return the original setting, repeat steps above.

BEFORE OPERATION

Turning the power on and off

Press the ⏻/ON button, the display lights.
To turn the power off, press the ⏻/ON button again, the display turns off, the clock display remains lit dimly. When economy display mode is needed, press the ECO/CLOCK/TIMER button, then the clock display goes out.

- When the mains lead is connected to the AC outlet, the unit will respond to commands from the remote control.

Direct start function

If the following buttons are pressed when the unit is in standby, the unit turns on automatically and the selected function is set.

CD section	►/II
DAB section	DAB
Remote control	CD ►/II, DAB

Selecting the function

Press the FUNCTION button to select the desired function. Each time the button is pressed, the display changes to select following functions:
CD ⟶ Tuner ⟶ DAB ⟶ LINE ⟶ CD ⟶ …
The function is automatically selected when CD play is started or when the DAB button has been pressed.

- When the function selection is changed, CD play is automatically stopped.

Adjusting the volume

Turn the VOLUME control, or press the VOL – or VOL + button on the remote control. The volume level appears by numbers (VOL MIN ~ VOL MAX) on the display.

Bass expander system (Remote control only)

Press the BASS button to enhance the bass sound. “BASS ON” appears on the display briefly.

Selecting the sound mode (Remote control only)

Press the SOUND button to select the sound mode matching the music to be listened to.
POP: Pops, etc.
CLASSIC: Classical music, etc.
ROCK: Rock music, etc.
JAZZ: Jazz, etc.

WHAT TO DO IF ...

If the operation of the unit or display is not normal,

1. Disconnect the mains lead.
2. Connect the mains lead again.
3. Within 5 seconds while pressing the SET UP/RDS MODE button, press the MEMORY button at the same time.
4. Resume the operation.

CD PLAY

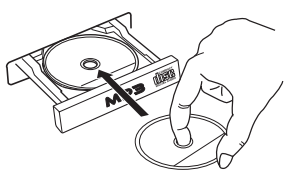
Use compact discs bearing the symbol shown. In addition to conventional 12 cm CDs, this system can be used to play 8 cm CDs without an adapter.

COMPACT disc DIGITAL AUDIO

- This unit can play back the CD-R/RW that have recorded music data as well. However, some CD-R/RWs can not be played back depending on the recording conditions.
- The CD-R/RW can’t be recorded in this unit.

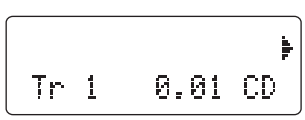
If the disc is loaded, you can turn the unit on and begin play immediately by pressing the CD ►/II button.

1. Press the FUNCTION button to select “CD” function. “READING” appears on the display, then “READING” is replaced by the CD mode display.
2. Press the OPEN/CLOSE button, disc tray slides out, “OPEN” appears.
3. Place the disc with the label facing up on the disc tray. (Place only one disc at a time.)
4. Press the OPEN/CLOSE button again to close the disc tray. “CLOSE” appears briefly, then the total number of tracks and total playing time on the disc appear.



Note:
If no disc is loaded. “NO DISC” appears. If the disc is loaded with the label facing downward, or if the disc being loaded can’t be read by the unit, “UNDISC” appears. If this occurs, load the disc correctly or replace the damaged disc.

5. Press the CD ►/II button. Play starts from the first track.
   The current track number and elapsed playing time are displayed.



6. Press the ■ button to end disc play.
   When the last track has been played, the player stops automatically.

Notes on handling compact discs

- Do not expose the disc to direct sunlight, high humidity or high temperatures for extended periods of time.
- Discs should be returned to their cases after use.
- Do not apply paper or write anything on the disc surface.
- Handle the disc by its edge. Do not touch the playing surface (glossy side).
- Fingerprints and dust should be carefully wiped off the playing surface of the disc with a soft cloth.
  Wipe in a straight motion from the centre to the outside of the disc.
- Never use chemicals such as record cleaning sprays, antistatic sprays or fluids, benzene or thinner to clean compact discs.

To start play from the desired track

Select the track by using the ►►I or I◄◄ button, then press the CD ►/II button.

Temporarily stopping play

Press the CD ►/II button. Elapsed playing time blinks and “►” appears. To resume play, press the button again.

Skip play

To skip to track 6 while track 3 is playing, press the ►►I button repeatedly until “6” appears (in the track section) on the display. To skip back to track 3 while track 6 is playing, press the I◄◄ button repeatedly until “3” appears.

- The number buttons on the remote control can also be used for skip play. To skip to track 6 while one track is playing, press 6.

Search (forward/reverse)

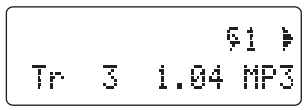
If the ►►I or I◄◄ button is pressed during play, the player will search at high speed in the forward or reverse direction while the button is being pressed. When the button is released, normal play will continue.

Random play

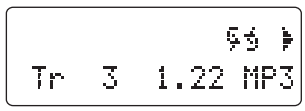
Press the SELECT/PTY CHECK/RANDOM button (or RANDOM/SELECT button on the remote control) in playing or stop mode. “RAN” will appear on the display.
In stop mode, press the ►/II button to begin random play; in playing mode, random play begins when current track is over. All tracks on the disc are played in random order.
To cancel random play mode, press the SELECT/PTY CHECK/RANDOM button (or RANDOM/SELECT button on the remote control) again, till “RAN” disappears.
- Random play will not function during programmed play.

Repeat play (Remote control only)

Press the SET UP/REPEAT button before or during play.
- Press the button once, “↻1” appears, repeat single track.



- Press the button twice, “↻” appears, the unit will repeat all tracks or all programmed tracks.

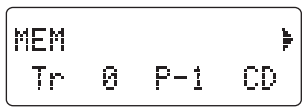


To cancel repeat play, press the button again till “↻” disappears.

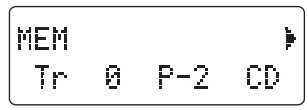
PROGRAMMED PLAY

Up to 40 tracks on a disc can be programmed for play in any order.
- First, select “CD” function and load a disc that you want to programme.
- The tracks must be programmed in the stop mode.
- The same track can be programmed more than once.

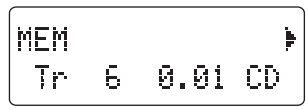
1. Press the MEMORY button.



2. Select a track by using the ►►I or I◄◄ button.
- The number buttons on the remote control can also be used.
3. Press the MEMORY button
4. Repeat steps 2 - 3 to programme additional tracks.



5. Press the ►/II button to start programmed play.
When all programmed tracks have played, the player stops automatically. First programmed track appears on the display.



- The programme contents are retained in memory.

- Any attempt to programme more than 40 tracks will result in “FULL” being displayed and discontinuation of the programming.
- To cancel programmed play, press the ■ button twice.

Checking the programme

Each time the MEMORY button is pressed in the stop mode, the programmed details sequentially appear on the display.

Changing a programme

To add a new track to a programme:
1. In the stop mode, press the MEMORY button repeatedly until “0” (on the track section) is displayed.
2. Select a track as explained above.
3. Press the MEMORY button.

To change a track:
1. In the stop mode, press the MEMORY button repeatedly until the track number to be replaced is displayed.
2. Select a track as explained above.
3. Press the MEMORY button.

Note:
Programmed details cannot be partially deleted or inserted.

MP3 CD OPERATION

This unit can play back the CD-R/RW that has recorded music data or MP3 files. Before playing back MP3 CD, please read the following.

MP3 CD information

- MP3 CD is the disc that standardized by ISO9660, its file name must have the extension letters, “.MP3” or “.mp3”.
- Standard, sampling frequency, and the bit rate:
  MPEG-1 Audio, layer 3
  32kHz, 44.1kHz, 48kHz
  32kbps ~ 320kbps (constant bit rate or variable bit rate)
- The recommend recording setting for a high-quality sound is 44.1kHz of sampling frequency and 128kbps of constant bit rate.
- The directory and file names of the MP3 CD must be corresponded to the ISO standardized files.
- Single-session disc can be played back.
- This unit can recognize up to 250 folders or 500 files per disc. The CD disc with 251 folders or 501 files and over is not available to this unit.
- This unit can recognize up to 8 directory trees per disc.
- MP3 CD may not be played in the recorded order.
- Music section in “CD Extra” can be played back, not Data section.
- “Mixed CD” can’t be played back.

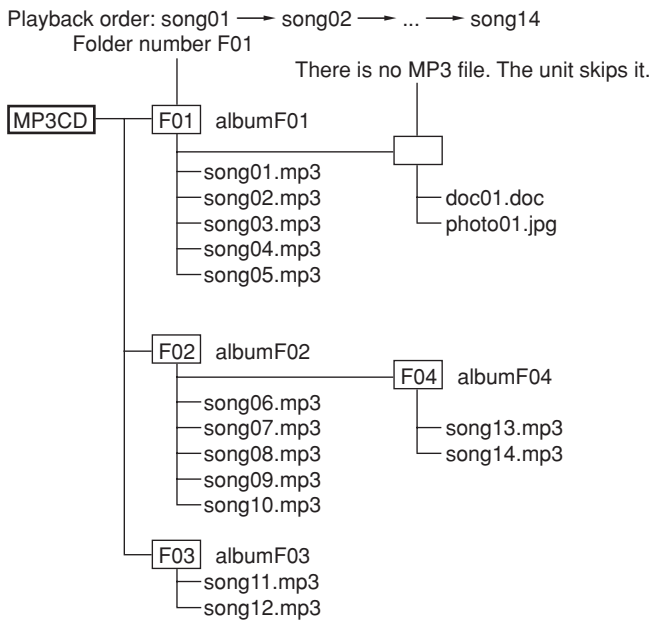
Notes on disc writing method

There are three basic methods for writing to a CD: “Track-at-Once”, “Disc at-Once”, and “Packet Writing”.
Music files recorded by “Track-at-Once” or “Disc-at-Once” can be played back on this unit. (Note: The unit can’t play back the music files added with “Track-at-Once”.)
Music files recorded by “Packet Writing” can’t be played back.

Limitations on display

Available letters for display are the following: capital alphabets of A through Z, numbers of 0 through 9 and _ (underline).

MP3 CD directory sample

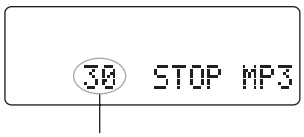


Note:
- Some MP3 CDs can't be played back depending on the recording conditions.
- The CD-R/RW that has no music data or non-MP3 files can't be played back.
- Do not make an empty folder. It may not work correctly.
- In this model, recommend recording setting is 44.1KHz of the sample frequency and 128kbps of constant bit rate. If files are recorded in other bit rate (for example: 320kbps) or in variable bit rate, track-jump may sometimes happen according to recording conditions.

MP3 CD PLAY

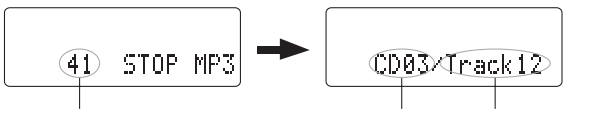
1. Turn the power on and choose "CD" function.
2. Load the MP3 CD.
   The total number of files appear on the display.

3. Press the AUTO TUNE/TUNER PRESET/FOLDER SELECT button (or the FM MODE/FOLDER button on the remote control) to select the desired folder.



the first file number in the selected folder

4. Press the I◄◄ or ►►I button to select the desired track. The folder number and track number in current file roll over the display.

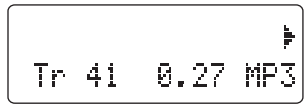


the desired file number

folder number

track number in current file

5. Press the ►/II button to start play, the track number and elapsed playing time will display.



Display selection

The ID3-Tag is an information field for MP3. Music title, artist name and album name can be stored into the tag. This unit shows these information. Press the FM MODE/DISPLAY button (or DISPLAY button on the remote control) during play.
- Each time the button is pressed, the display scrolls in the following sequence.
  Folder name (Album name)/File name (Music name)
  Music information: music title
  Music information: artist name
  Music information: album name
- If no music information is stored, "NO INFORMATION" appears. Press this button again, the track number and elapsed playing time appear.

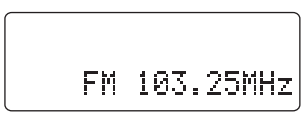
Folder selection

Press the AUTO TUNE/TUNER PRESET/FOLDER SELECT button (or the FM MODE/FOLDER button on the remote control) repeatedly to select the desired folder number. The first file number in the selected folder appears. In playing mode, after the desired folder is selected, the unit will play automatically from the first track in it; In stop mode, press the ►/II button to start play from the first track of this folder.

LISTENING TO THE RADIO

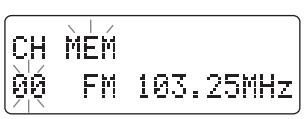
Automatic/Manual tuning

1. Press the FUNCTION button to select FM tuner.
   - The radio frequency appears.
2. **Automatic tuning**
   Press the I◄◄ or ►►I button for at least 1 second to tune in a station. The unit will scan up or down the band and receive the next receivable station. Press the button again to continue.
   Manual tuning
   Press the I◄◄ or ►►I button briefly until the desired frequency is displayed.

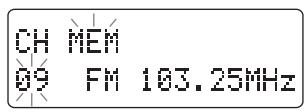


To preset stations

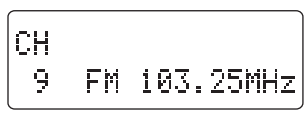
Up to 20 stations for FM band can be preset.
1. Tune in the station to be preset as described in "Automatic/Manual tuning".
2. Press the MEMORY button.



3. Press the AUTO TUNE/TUNER PRESET/FOLDER SELECT button on the front panel (or AUTO TUNE/PRESET button on the remote control) to select the channel number to be preset.



4. Press the MEMORY button.
- In this example, "103.25MHz" FM station is preset on FM channel 9.
- The number buttons on the remote control can be used to preset the station directly. In this example, press 9 after the step 2 above.



Note:
If the next step is not taken within 8 seconds while performing steps 2 - 4, "MEM" disappears and the preset operation is cancelled.
Press the MEMORY button to continue.

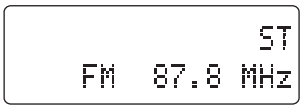
5. Repeat steps above to add more preset stations.
- When presetting a new station, the previous preset station is cleared.

Listening to preset stations

1. Press the FUNCTION button to select FM.
2. Press the AUTO TUNE/TUNER PRESET/FOLDER SELECT button (or the AUTO TUNE/PRESET button on the remote control) to select the desired channel number. The selected channel number appears briefly.
- The number buttons on the remote control can also be used.

To receive FM stereo broadcasts

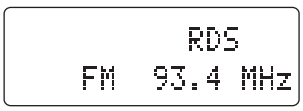
"ST" appears when a FM stereo broadcast is received in the stereo mode.



- If the signal from a FM stereo station is weak and reception is poor, press the FM MODE/DISPLAY button to change to the mono mode. The reception may be improved, but the sound will be monaural.

Listening to FM station with RDS (Using the main unit)

RDS (Radio Data System) permits FM stations to send additional signals with the regular programme signals. For example, the stations send their station names and information about what type of broadcast programmes, such as sports or music, etc. When tuned in a FM station which provides the RDS service, the "PS" RDS mode is set automatically and the station name "RDS" appears on the display.



Note:
- Some FM stations do not provide RDS service.
- RDS may not work correctly if the signal strength is weak.
- RDS is not available for AM broadcasts.

Selecting the RDS display mode

Press the SET UP/RDS MODE button on the main unit while listening to a FM station.
- Each time the button is pressed, the display mode changes as follows:
  PS ⟶ PTY ⟶ RT ⟶ Frequency
- If the RDS signal is weak or current FM station has no RDS information, when the SET UP/RDS MODE is pressed, "RDS OFF" appears.

PS (Programme Service)
"PS" appears on the display then station name is displayed. If no PS signal is received, "NO PS" appears briefly, then station frequency is displayed.

PTY (Programme Type)
"PTY" appears, then broadcast programme type is displayed. If no PTY signal is received, "NO PTY" appears, then station name or station frequency is displayed.

RT (Radio Text)
"RT" appears, then text messages the station sends will be displayed. If no RT signal is received, "NO RT" appears.

Frequency
Station frequency (non-RDS service)
After several seconds, the PS mode returns if RDS signal is received.

On characters displayed

When the display shows PS, PTY or RT signals:
- The display shows upper case letters only.
- The display cannot show accented letters: for example, "A" may represent accented "A's" like "Á", "À", "Ã", "Â", "Å" and "Ä".

To search a preset station by PTY codes

A particular programme type broadcast can be located by specifying the PTY codes.

1. Press the SET UP/RDS MODE button till "PTY" appears while listening to a FM station.
2. Press the SELECT/PTY CHECK/RANDOM button, then turn the VOLUME/PTY SELECT control on the main unit within 2 seconds to select the desired PTY code. The code changes as shown below:
   NEWS: News
   AFFAIRS: Current affairs
   INFO: Information
   SPORT: Sport
   EDUCATE: Education
   DRAMA: Drama
   CULTURE: Culture
   SCIENCE: Science
   VARIED: Varied
   POP M: Pop music
   ROCK M: Rock music
   MOR M: Middle of the road music (easy-listening)
   LIGHT M: Light classics
   CLASSICS: Serious classics
   OTHER M: Other music
   (or in the reverse sequence)
3. Press the SELECT/PTY CHECK/RANDOM button within 10 seconds. The unit searches 20 preset stations and stops when it finds a broadcast of the PTY code you have selected, then tunes into that station and "RDS" appears.
- To continue searching after the first stop, press the SELECT/PTY CHECK/RANDOM button again while the display blinks.
- If no broadcast is found, "NO PTY" appears, then the original station is heard.

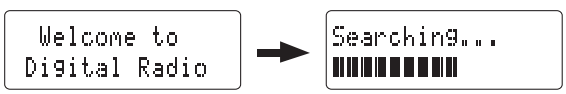
To cancel searching, press the SELECT/PTY CHECK/RANDOM button.

LISTENING TO THE DAB RADIO

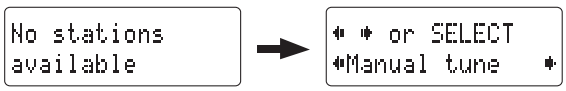
To turn the unit on and listen to the last received station, press the DAB button.

DAB Reception

Press the FUNCTION button to select DAB function.
If it is the first time for use or have reset the main unit as "About DAB radio what to do if..." (see page 10) shown, following display appears.

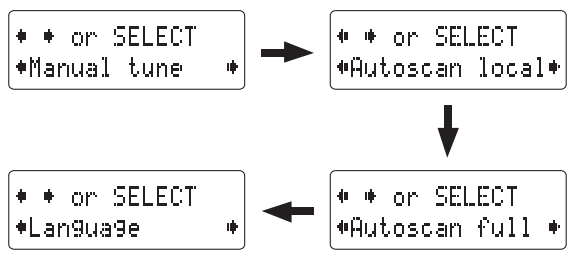


The unit will scan the receivable station.
- If tuning to a selected station fails,



- If the previously selected service is still available, the system will reselect it.

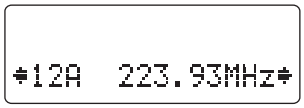
Press the ⏮ or ⏭ button repeatedly to select the desired tuning mode while " ⬅ ➡ or SELECT" appears.



Manual Tuning
1. When "Manual tune" is selected, press the SELECT/PTY CHECK/RANDOM button (or the RANDOM/SELECT button on the remote control).
2. Press the ⏮ or ⏭ button briefly to select the stored frequencies. The display changes as follow:

5A 174.92MHz ⟶ 5B 176.64 MHz… ⟶ 13E 237.48 MHz ⟶ 13F 239.20 MHz ⟶ 5A 174.92 MHz ⟶ …
(or in reverse order)

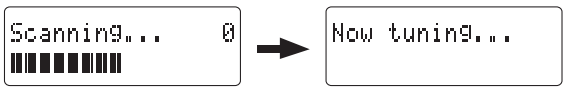
Example:



3. When your desired frequencies appears, press the SELECT/PTY CHECK/RANDOM button (or the RANDOM/SELECT button on the remote control) to select the station.

Automatic Tuning

1. When “Autoscan local” or “Autoscan full” is selected, press the SELECT/PTY CHECK/RANDOM button (or the RANDOM/SELECT button on the remote control).



The unit will search the receivable station automatically.
- Autoscan local: scans all the UK frequencies.
- Autoscan full: scans European L Band and III Band frequencies.

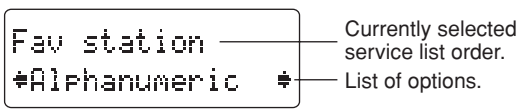
DAB Stations Advanced Operations

1. When a station is received as described under “Automatic Tuning”, press the SET UP/RDS MODE button (or the SET UP/REPEAT button on the remote control).
2. Press the I◄◄ or ►►I button repeatedly to select following items you want to see information or reset from following appearances:
   Station order ⟶ Manual tune ⟶ DRC value ⟶ Language ⟶ SW version

Sorting Stations

By sorting stations, you can define in what order the available station are listed when the DAB is tuned.

1. When “Station order” is selected, press the SELECT/PTY CHECK/RANDOM button (or the RANDOM/SELECT button on the remote control).
2. Press the I◄◄ or ►►I button repeatedly to select the desired sorting order you want to set from following list of option appearance:
   Fav station ⟶ Alphanumeric ⟶ Active station ⟶ Prune station ⟶ Fav station ⟶ ...



Fav station: Depending on the length of listening time, the unit automatically list 10 stations you most frequently listen to in alphanumeric order (favorite ones in the front and others at the back).
Alphanumeric: Displays all the stations in alphanumeric order.
Active station: Displays active/inactive station (active ones in the front and others at the back).
Prune station: Remove inactive stations from the list.

3. Press the SELECT/PTY CHECK/RANDOM button (or the RANDOM/SELECT button on the remote control) to confirm it when desired sorting order appearance is selected, “sorting stations” setting finished then.
- Station order is changed as specified.
- The last selected station continues to play.
- Next time you tune the DAB, the available station are listed in the changed order.

Dynamic Range Control (DRC)

With the 3 DRC value options, you can adjust the difference in loudness recording to your listening environment:
- DRC 0 for outdoor use.
- DRC 1/2 for in-home use.
- DRC 1 for headphones use.

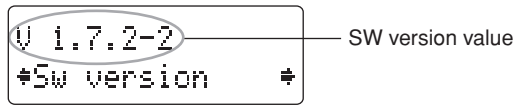
1. When “DRC value” is selected, press the SELECT/PTY CHECK/RANDOM button (or the RANDOM/SELECT button on the remote control) to confirm it.
2. Press the I◄◄ or ►►I button to select the desired DRC value.
   Display value changes as following:
   DRC 0 ⟶ DRC 1/2 ⟶ DRC 1 ⟶ DRC 0 ⟶ ..
3. Press the SELECT/PTY CHECK/RANDOM button (or the RANDOM/SELECT button on the remote control) to confirm your option.

Language

When “language” is selected, press the SELECT/PTY CHECK/RANDOM button (or the RANDOM/SELECT button on the remote control) to confirm it.
“English” appears.
Note: Only English is available.

SW version

When “SW version” is selected, the version value of current station is appears on the display at the same time.



Display

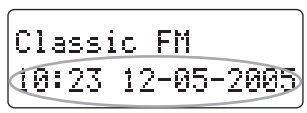
When a station is received, you can view the DAB service information in the following 7 information modes.
Press the FM MODE/DISPLAY button (or the DISPLAY button on the remote control) repeatedly until your desired option appears.
Each time the FM MODE/DISPLAY button (or the DISPLAY button on the remote control) is pressed, the information on the display change as follow:

DLS (Dynamic Label Segments):
Displays the scrolling broadcasting text (in default setting).

Program Type: Describe the station program Type.

Multiplex Name: Specifies the multiplex of current service.

Date and Time: Shows the date and time of current multiplex broadcasting.



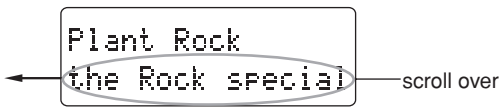
- Date and Time is up to the service providers to broadcast the time and date relatively frequency. This will be updated every minute approximately.

Channel and Frequency: Display the channel and control frequency of current multiplex broadcasting.

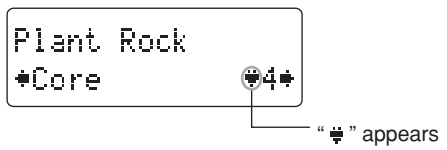
Bit Rate and Audio Statue: Displays the transmission rate of broadcasting date in bits per second and display the audio status of current service in stereo or mono.

Signal Error Rate: Indicates signal quality.
0 - 15: good;
16 - 30: Acceptable;
Over 30: Poor.

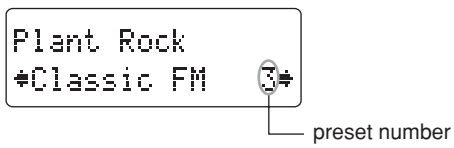
Note:
- Press the ⏮ or ⏭ button repeatedly to scroll the user through the available menu option (under setup menu), service station lists. while in the service scrolling state, press the SELECT/PTY CHECK/ RANDOM button (or the RANDOM/SELECT button on the remote control) to select the requested service. If there is no input after 7 seconds, return to original display.
- In normal display mode, press the ⏮ or ⏭ button will cause the display scroll through the service list.



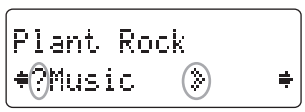
- If the displayed service is one of the first 10 services on the list and it is in favourite order, as indicated by " ♥ ".



- If the service has been saved to preset button, then it is indicated by the preset number 1, 2, etc.



- If the service is not active (e.g. it is invalid), it is indicated by "?".
- If the service is a primary service and it has secondary services then it is indicated by ">>", and if the service is as secondary then it is indicated by "<<".



To preset DAB stations

Up to 10 station can be preset.

Automatic presetting

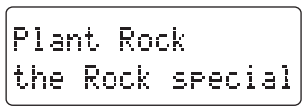
Automatic programming will start from preset 1. It allows you to save your favorite stations as presets.

1. Sort the list of available stations by Fav station order (as "Sorting Stations" in the previous page shows).
2. Press ⏮ or ⏭ button briefly, until " ♥ ⟶ PRESETS" appears then press the SELECT/PTY CHECK/RANDOM button (or the RANDOM/SELECT button on the remote control).

- All the favorite stations are stored in the preset locations starting from preset number 1, overwriting the presets in the respective locations.

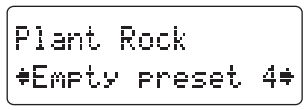
Manual presetting

1. Tune in the DAB station to be preset.

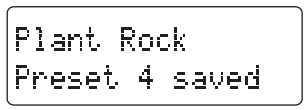


2. Press the MEMORY button.

3. Press the ⏮ or ⏭ button to select the channel number to be preset.



- In this example, station "Plant Rock" is preseted in channel number 4.
4. Press and hold the MEMORY button for 2 seconds till "Preset X saved" appears. (X ── 1~10, means the channel number you have preset in step 3).

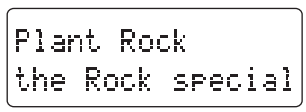


Current station is stored to the desired channel number.

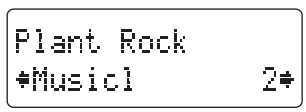
Note:
Using the remote control, you can press the number buttons directly.
Example:
To select No.3, press and hold the 3 button until "Preset 3 saved" appears.
To select No.10, press and hold the 0 button until "Preset 10 saved" appears.

Listening to preset stations

1. Press the FUNCTION button to select DAB function.

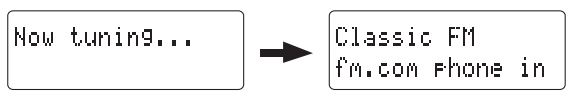


2. Press the MEMORY button.



3. Press the ⏮ or ⏭ button to select the preset number.

4. Press the SELECT/PTY CHECK/RANDOM button (or the RANDOM/ SELECT button on the remote control) to confirm the station.



Note:
Using the remote control, you can press the number buttons directly.
Example:
To select No.3, press the 3 button for less than 2 seconds.
To select No.10, press the 0 button for less than 2 seconds.

About DAB radio what to do if ...

In the DAB radio mode if the operation of the unit or display is not normal,

1. Press and hold the SET UP/RDS MODE button (or the SET UP/ REPEAT button on the remote control) till "press SELECT to confirm reset..." appears.
2. Press the SELECT/PTY CHECK/RANDOM button (or the RANDOM/ SELECT button on the remote control).
3. Resume the operation.

LISTENING TO OTHER SOURCES

1. Press the FUNCTION button to select “LINE”.
2. Follow the instructions supplied with the video/auxiliary equipment.

TIMER OPERATION

Using the timer (Main unit only)

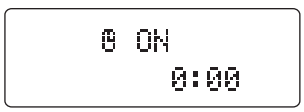
Set the on and off times, and function to be used. Operation will start with the selected function at the on time. The sound will be gradually increased from a no-sound level to the current volume setting (fade-in).
The power will be switched off at the off time.
The timer will function every day unless it is released.

Preparation
Note:
Make absolutely sure that the clock is set to the correct time and the main unit is in power on mode before setting the timer.

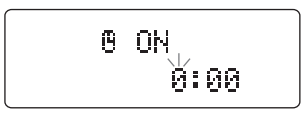
- Prepare the sources to be used.
  - If the function selected is tuner, tune in to the desired band and station.
- Adjust the volume level as desired.

Example:
Waking up 7:30 every day and listening to music until 8: 15.

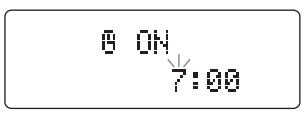
1. Press the ECO/CLOCK/TIMER button.
   The present time appears.
2. Press the ECO/CLOCK/TIMER button again. “ ON” appears. The previous timer ON time appears.



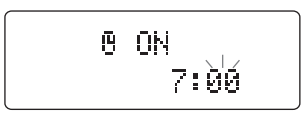
3. Press the MEMORY button, “ ON” and “hour” blink.



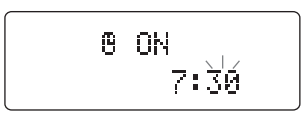
4. Turn the VOLUME control to set “hour” display.



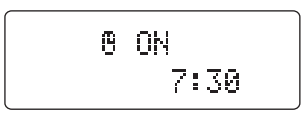
5. Press the MEMORY button. “ ON” and “minute” blink.



6. Turn the VOLUME control to set “minutes” display.



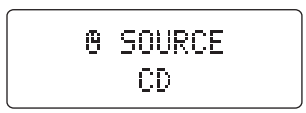
7. Press the MEMORY button. This completes the setting of the ON time.



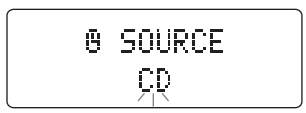
8. Press the ECO/CLOCK/TIMER button, “ OFF ” appears. The previous Timer OFF time appears.

9. Repeat steps 3 - 7 above. This completes the setting of the OFF time.

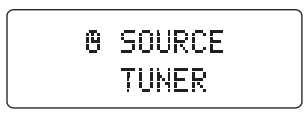
10. Press the ECO/CLOCK/TIMER button. “ ” remains lit, “SOURCE” and original preset function appears.



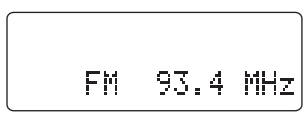
11. Press the MEMORY button. Preset function blinks.



12. Turn the VOLUME control to set the desired function.
    CD ⟶ TUNER ⟶ DAB ⟶ LINE ⟶ ...
13. Press the MEMORY button. Desired function remains lit. “ ” remains lit.



14. Press the ECO/CLOCK/TIMER button, original display appears, “ ” disappears.



15. Press the ECO/CLOCK/TIMER button for at least 1 second to make sure “ ENABLE” appears briefly.

16. Press the ⏻/ON button to turn the power off. Current time displays, “ ” remains lit.

When the timer ON time arrives, the power is turned on automatically and the unit starts playing with the preset function selected.

- When the timer OFF time arrives, the power turns off and the timer is set to the standby mode. Timer operation repeats this cycle every day.

To check the timer settings

Turn on the power, then press the ECO/CLOCK/TIMER button repeatedly. The timer settings are displayed in the following order:

- Present time.
- TIMER ON time.
- TIMER OFF time.
- Original preset function.
- Original display returns.

To change the timer settings

1. Turn on the power and press the ECO/CLOCK/TIMER button to select the setting to be changed.
2. Press the MEMORY button so that the display blinks.
3. Change the setting as explained above.

To release the timer

Turn on the power and press the ECO/CLOCK/TIMER button for at least 1 second, " CANCEL" display briefly.

To set the timer again with the same settings

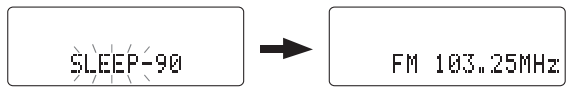
1. Turn on the power and press the ECO/CLOCK/TIMER button for at least 1 second till " ENABLE" appears briefly.
2. Press the ⏻/ON button to switch off the power.

Note:
The timer operation is released if a power failure occurs.

Using the sleep timer (Remote control only)

The sleep timer automatically switches off the power after a preset time has elapsed. The volume will gradually be reduced (fade-out) during the 1-minute period before the unit turns off. There are 9 time periods available: 90, 80, 70, 60, 50, 40, 30, 20, and 10 minutes.

Press and hold down the SLEEP button to select the desired sleep time. "SLEEP - " blinks and selected time appears on the display. After several seconds, the original display returns.



To release the sleep timer while in operation

Press and hold down the SLEEP button until the "OFF" appears. The timer is also released if the power is switched off.

MAINTENANCE

Cleaning the unit

Clean the outside of the unit with a clean soft cloth, moistened with lukewarm water. Do not use benzene, thinner or alcohol since they will mar the finish of the surfaces.

SPECIFICATIONS

Tuner
Reception frequency:
FM: 87.5 ~ 108 MHz

CD player
Channels:
2-channel stereo
Sampling frequency:
44.1 kHz
Pick-up:
Optical 3-beam semiconductor laser
Laser output:
0.6 mW (Continuous wave max.)
Wave length:
790 nm
Wow/flutter:
Below measurable limits

DAB section
RF section: Band III, 174 ~ 240 MHz
(UK: 218 ~ 230 MHz)
Input: 50R, nominal
Max signal: -3 dBm typical
Sensitivity: -96 dBm typical
Adjacent channel rejection: 35 dB typical

General
Output power:
50W/ch (at 6 ohms, 10% distortion)
Input:
VIDEO IN: 500 mV/50 kohms
Outputs:
SPEAKERS: 6 ohms
PHONES: 8 ~ 32 ohms
Power requirements:
AC 230V, 50 Hz
Power consumption:
68 W
Dimensions:
170(W) x 262(H) x 245(D) mm
Weight:
4.5 kg

Speaker systems
Type:
2 way bass reflex
Unit used:
Woofer: 12 cm cone type
Tweeter: 2.5 cm piezoelectric
Maximum power-handling capacity:
50 W (peak)
Nominal impedance:
6 ohms
Dimensions:
154(W) x 208(H) x 192(D) mm
Weight:
1.7 kg (per speaker)

Specifications subject to change without notice.

GUARANTEE TO CUSTOMER

Sanyo Europe Ltd. (the Company) guarantees to the initial retail purchaser that if this equipment is or becomes defective and that, in the opinion of the Company, the defect is due to faulty material or workmanship the Company will, for a period of 12 calendar months from the date of sale to the original purchaser repair or replace, at its sole option, free of charge, any such defective component part of the equipment, always provided that: -

1. The equipment has at all times been used in accordance with the operating instructions issued by the Company, and has not been connected to an electrical mains supply for which it has not been adjusted.
2. Accidental damage, or damage caused by negligence or misuse by the user, including leakage from exhausted batteries, is specifically excluded.
3. Unauthorised repairs, or any modification to the equipment which has not been expressly approved by the Company, shall render this guarantee null and void.
4. Failure due to fair wear and tear of any item, such as batteries, record playing styli, and tape recording, playback and erase heads is specifically excluded.

This guarantee is not transferable and is only applicable within the United Kingdom (and the Republic of Ireland). Nothing in this express guarantee affects the statutory rights available to the purchaser of this equipment.
Note: This guarantee supersedes any other form of guarantee that may inadvertently have been enclosed with or attached to the product. (August 1978).

Dear Customer

Thank you for buying Sanyo. This equipment should give you many years of pleasure and faithful service but in the event that a fault occurs, the following notes for your guidance may be helpful:-

1. PLEASE RETAIN YOUR PURCHASE RECEIPT WHICH WILL BE REQUIRED FOR SERVICE DURING GUARANTEE.
2. If your Sanyo equipment proves faulty during the period of guarantee, take it or send it back to the dealer who originally supplied it together with this guarantee and the proof of purchase. We have made arrangements with our approved dealers under which they will carry out in-guarantee service repairs on our behalf. In this way, we hope to reduce to a minimum the amount of time you will be without your equipment.
3. If for some reason it is impossible to return the equipment to the original supplies, please contact our Consumer Relations Department at the address below for further advice.
4. Should the equipment require servicing after the expiry of the guarantee period, take or send it to the original supplier or any other Sanyo dealer. He will be pleased to give you a quotation for the repair. If you are in any doubt about what to do, write to us at the address below or telephone:

Consumer Relations Department,
Sanyo Europe Ltd.,
18 Colonial Way,Watford
WD24 4PT
Tel: Watford 246363

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(UK) 1AD6P1P2087-CA

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